



Modified Form PTO/SB/08A

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|---|---|----|---|--------------------------|-----------------|
| Substituted in PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | <i>Complete If Known</i> | |
| | | | | Application Number | 09/810,871 |
| | | | | Filing Date | March 16, 2001 |
| | | | | First Named Inventor | Eldridge et al. |
| | | | | Group Art Unit | 2833 |
| | | | | Examiner Name | A. Gilman |
| | | | | Attorney Docket No. | P70-US |
| Sheet | 1 | of | 4 | | |

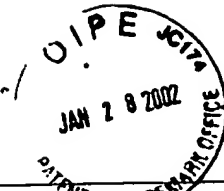
| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------------------|--------------------------|----------------------|------------------------|----------------------------------|---------------------|----------------------|
| Examiner Initials ¹ | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant | Publication Date | Relevant Portions |
| | | Number | Kind Code ² | | | |
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| | 20 | 5399982 | | Driller et al. | 3/21/1995 | |
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| AG | 25 | 5742170 | | Isaac et al. | 4/21/1998 | |

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| Examiner Signature | /Alexander Gilman/ | Date Considered | 05/25/2006 |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

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| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------------------|--------------------------|----------------------|------------------------|----------------------------------|---------------------|----------------------|
| Examiner Initials ¹ | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant | Publication Date | Relevant Portions |
| | | Number | Kind Code ² | | | |
| AG | 26 | 5786701 | | Pedder | 7/28/1998 | |
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| | 37 | 5437556 | | Bargain et al. | 8/1/1995 | |
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| | 39 | 5682064 | | Atkins et al. | 10/28/1997 | |
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| AG | 42 | 6818567 | B1 | Roemer et al. | 1/30/2001 | |
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| | | | | Filing Date | March 16, 2001 |
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| | | | | Group Art Unit | 2833 |
| | | | | Examiner Name | A. Gilman |
| Sheet | 3 | of | 4 | Attorney Docket No. | P70-US |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|-----------------------------------|--------------------------|-------------------------|---------------------|------------------------|----------------------------------|---------------------|----------------------|----------------|
| Examiner Initials ⁶ | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant | Publication Date | Relevant Portions | T ⁶ |
| | | Office ² | Number ³ | Kind Code ⁵ | | | | |
| AG | 44 | JP | 365659 | | Kenjiro | 3/20/1991 | | x |
| | 45 | JP | 529406 | | Shin | 2/5/1993 | | x |
| | 46 | JP | 650990 | | Kazami | 2/25/1994 | | x |
| | 47 | JP | 6273445 | | Masao | 9/30/1994 | | x |
| | 48 | JP | 6313775 | | Higgins et al. | 11/8/1994 | | x |
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| | 51 | JP | 58178293 | | Motoki et al. | 11/29/1983 | | x |
| | 52 | JP | 63243768 | | Mineo et al. | 10/11/1988 | | x |

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| Sheet | 4 | of | 4 | Attorney Docket No. | P70-US |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|-----------------------------------|--------------------------|-------------------------|---------------------|------------------------|----------------------------------|---------------------|----------------------|----------------|
| Examiner Initials [*] | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant | Publication Date | Relevant Portions | T ⁶ |
| | | Office ² | Number ³ | Kind Code ³ | | | | |

| OTHER PRIOR ART - NONPATENT LITERATURE DOCUMENTS | | | | | |
|--|--------------------------|--|--|--|----------------|
| Examiner Initials [*] | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | | | T ² |
| | | | | | |
| AG | 53 | LEUNG et al., "Active Substrate Membrane Probe Card," Technical Digest of the International Electron Devices Meeting (IEDM) (October 12, 1995), pp. 709-712 | | | |
| AG | 54 | EMSWORTH, "High Density Probe Assembly," Research Disclosure 2244, No. 333, p. 33391 (January 1992) | | | |
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| Examiner Signature | /Alexander Gilman/ | Date Considered | 05/25/2001 |
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IDS - 11/17/2014 **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18

Stylesheet Version v18.0

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|-------------------------------|------------------------|
| Title of Invention | Wafer Level Interposer |
|-------------------------------|------------------------|

Application Number : 09/810871 
 Confirmation Number: 7472
 First Named Applicant: Benjamin Eldridge
 Attorney Docket Number:
 Art Unit: 2833
 Examiner: Alexander Gilman
 Search string: (4061969 or 4780670 or 5020219 or 5323107 or 5534784 or 5998228 or 6351134 or 6468098 or 20010012704 or 20010054905 or 20020197895).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|------|----------|------------|------------|-----------------|------|-------|----------|
| AG | 1 | 4061969 | 1977-12-06 | Dean | | | |
| | 2 | 4780670 | 1988-10-25 | Cherry | | | |
| | 3 | 5020219 | 1991-06-04 | Leedy | | | |
| | 4 | 5323107 | 1994-06-21 | D'Souza | | | |
| | 5 | 5534784 | 1996-07-09 | Lum et al. | | | |
| | 6 | 5998228 | 1999-12-07 | Eldridge et al. | | | |
| | 7 | 6351134 | 2002-02-26 | Leas et al. | | | |
| AG | 8 | 6468098 | 2002-10-22 | Eldridge | | | |

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

| init | Cite.No. | Pub. No. | Date | Applicant | Kind | Class | Subclass |
|------|----------|-------------|------------|-----------------|------|-------|----------|
| AG | 1 | 20010012704 | 2001-08-09 | Eldridge | A1 | | |
| AG | 2 | 20010054905 | 2001-12-27 | Khandros et al. | A1 | | |
| AG | 3 | 20020197895 | 2002-12-26 | Eldridge | A1 | | |

Remarks

Note: Remarks are not for responding to an office action.

COMMONLY OWNED, RELATED U.S. PATENTS AND APPLICATIONS: Applicants note that citation numbers 6 and 8 in the attached listing of US Patent Documents and citation numbers 1-3 in the attached listing of US Published Applications are commonly owned with the above-identified patent application and may contain subject matter that is related to the subject matter of the above-identified patent application. The Examiner's attention is therefore directed to the prosecution history of the foregoing related U.S. patent(s) and patent application(s) and prior art cited in these patent(s) and patent application(s); Applicants assume the Examiner has access to all of the prosecution history, including the cited prior art, of these patents(s) and patent application(s), but Applicants will provide copies of all or any part of the prosecution history of or prior art from any of these patent(s) or patent application(s) upon request.

Signature

| Examiner Name | Date |
|--------------------|------------|
| /Alexander Gilman/ | 05/25/2006 |

Appl. no. 09/810,871
IDS dated November 17, 2004



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| | | Filing Date | March 16, 2001 |
| | | First Named Inventor | Eldridge et al. |
| | | Group Art Unit | 2833 |
| Examiner Name | Alexander Gilman | | |
| Sheet 1 of 1 | Attorney Docket No. | P70-US | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------------|-----------------------|-------------------------|---------------------|------------------------|-------------------------------|------------|----------------|---------------|
| Examiner Initials ¹ | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant | Publ. Date | T ⁶ | Copy Enclosed |
| | | Office ² | Number ² | Kind Code ³ | | | | |
| AG | 1. | EP | 463684 | | Klooster | 1/2/1992 | | Yes |
| AG | 2. | JP | 3-065659 | | Bando | 3/20/1991 | x | Yes |
| AG | 3. | JP | 4-207047 | | Takao | 7/29/1992 | x | Yes |
| AG | 4. | JP | 5-029406 | | Nakao | 2/5/1993 | x | Yes |
| AG | 5. | JP | 8-015318 | | Suzuki et al. | 1/19/1996 | x | Yes |

| OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS | | | | |
|--|-----------------------|--|----------------|---------------|
| Examiner Initials ¹ | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² | Copy Enclosed |
| AG | 6. | "Portable, Small Contact Area Surface Resistance Probe Assembly," IBM Technical Disclosure Bulletin, vol. 37, no. 02B (Feb. 1994) | | Yes |

| | | | |
|--------------------|--------------------|-----------------|------------|
| Examiner Signature | /Alexander Gilman/ | Date Considered | 05/25/2006 |
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** Reference cited in parent application US Serial No. ___. 37 CFR § 1.98(d)

*** Pre-OG Notice By Deputy Commissioner Stephen G. Kunin dated July 11, 2003 waiving the requirement to file copies of US patent publications in applications filed after June 30, 2003.

& Notice dated October 19, 2004 by Deputy Commissioner for Patent Examination Policy waiving requirement to file copies of pending US patent applications if the applications are stored in the USPTO's IFW system.

Commonly owned US patent or application whose subject matter may be related to the subject matter of the instance patent application.

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Stylesheet Version v18.0



Title of
Invention

Wafer Level Interposer

Application Number: 09/810871



Confirmation Number: 7472

First Named Applicant: B. Eldridge

Attorney Docket Number: P70-US

Art Unit: 2833

Examiner: A. Gillman

Search string: (5764072 or 5852871 or 6046597 or 6142789
or 6483328 or 20020004320).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|------|----------|------------|------------|----------|------|-------|----------|
| AG | 1 | 5764072 | 1998-06-09 | Kister | | | |
| AG | 2 | 5852871 | 1998-12-29 | Khandros | | | |
| AG | 3 | 6046597 | 2000-04-04 | Barabi | | | |
| AG | 4 | 6142789 | 2000-11-07 | Nolan | | | |
| AG | 5 | 6483328 | 2002-11-19 | Eldridge | | | |

US Published Applications

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| init | Cite.No. | Pub. No. | Date | Applicant | Kind | Class | Subclass |
|------|----------|-------------|------------|-----------|------|-------|----------|
| AG | 1 | 20020004320 | 2002-01-10 | Pedersen | | | |

Signature

| Examiner Name | Date |
|--------------------|------------|
| /Alexander Gilman/ | 05/24/2006 |



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| | | Office ³ | Number ⁴ | Kind Code ⁵ | | | | |
| AG | 1 | WO | 00/01208 | | Pedersen | 1/6/2000 | | |
| AG | 2 | WO | 00/33096 | | Eldridge | 6/8/2000 | | |

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Electronic Information Disclosure Statement



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Application: 
09/810871

Confirmation: 7472

Applicant(s): Benjamin Eldridge

Docket Number: P70-US

Group Art Unit: 2833

Examiner: A. Gillman

search string: (6060891 or 6359455 or 6452407 or 20030057975).pn.

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US Patent Documents

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| init | Citation No. | Patent Number | Date | Bar Code | Patentee | Class | Subclass |
|------|--------------|---------------|------------|----------|----------------|-------|----------|
| AG | P01 | 6060891 | 2000-05-09 | | Hembree et al. | | |
| AG | P02 | 6359455 | 2002-03-19 | | Takekoshi | | |
| AG | P03 | 6452407 | 2002-09-17 | | Khoury et al. | | |

Published Applications

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| init | Citation N | Patent Number | Date | Bar Code | Patentee | Class | Subclass |
|------|------------|---------------|------|----------|----------|-------|----------|
|------|------------|---------------|------|----------|----------|-------|----------|

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|----|-----|-------------|------------|--|---------------|
| AC | U01 | 20030057975 | 2003-03-27 | | Eslamy et al. |
|----|-----|-------------|------------|--|---------------|

Signature

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